

MTIP001US

Serial Number: 09/725,728

Art Unit: 1746

Filing Date: 11/29/2000

Examiner: Johathan S. Crepeau

Title of Invention: Fuel Cell Control and Measurement Apparatus
and Method, using Dielectric Constant Measurements

Inventor: Acker et al.

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OCT 30 2003

DETAILED REPLY TO AUGUST 19, 2003 FINAL OFFICE ACTION

Following is a detailed reply to the above-referenced
office action.

OFFICIAL

5 REQUEST FOR TELEPHONE INTERVIEW BEFORE SUBSEQUENT OFFICE ACTION

If any issues remain prior to this application being fully
in condition for allowance, applicants hereby respectfully
request a telephone interview with Examiner Jonathan S. Crepeau
to resolve any such remaining issues prior to issuing any
further action.

OK TO enter
(w) 11-5-03AMENDMENTS

Please amend claims 20, 40, 43 and 44 as shown below. All
other claims are unchanged.

- 1 1. (Original) A fuel cell system, comprising:
 - 2 a fuel cell mixing apparatus into which can be fed a source
 - 3 fuel and a diluting fluid, capable of mixing said source fuel
 - 4 and said diluting fluid together in a desired mixing proportion
 - 5 into a fuel mix, and capable of outputting said fuel mix for
 - 6 feeding to a fuel cell; and
 - 7 a fuel mix dielectric constant sensor capable of measuring
 - 8 a fuel mix dielectric constant of said fuel mix output from said
 - 9 fuel cell mixing apparatus, thereby enabling actual relative